BUILDING TRUST

PRODUCT DATA SHEET

Sikafloor® P 920

(formerly MTop P 920)

High Performance, Odorless Self-smoothing Primer based on Xolutec technology

DESCRIPTION

Sikafloor® P 920 is a three-component, high-performance polyurethane scratch coat primer based on Xolutec technology that is environmentally friendly, odourless and easy to apply. It is not to be used as a topcoat, but as a special primer for the Sikafloor® XTC system, which must be covered with the topcoat Sikafloor® BC 920.

USES

Sikafloor® P 920 may only be used by experienced professionals.
Sikafloor® P 920 is recommended as a primer for the Sikafloor® XTC system, in combination with the topcoat Sikafloor® BC 920.

CHARACTERISTICS / ADVANTAGES

- Odourless - environmentally friendly and harmless to the body.
- Moisture Tolerant - Fast application, can be applied to fresh concrete up to 10 days old.
- Fast curing at low temperatures - can be recoated after 6 hours at room temperature.
- Good sealing effect - effectively seals the substrate.

APPROVALS / STANDARDS

GB/T 22374-2018

PRODUCT INFORMATION

Chemical base	Polyurethane	
Packaging	Part A	4.0 kg/pail
	Part B	5.25 kg/pail
	Part C	7.5 kg/bag
	Part A+B+C	16.75 kg
Appearance / Colour	Ash gray	
Shelf life	Part A	12months
	Part B	12months
	Part C	24months
Storage conditions	Store in original, unopened, undamaged, sealed pakages in dry, dry environments between + 15 °C and + 30 °C, out of direct sunlight, on pallets protected from rain and away from the ground, and proctect the liquid from frost.	
Density	Mixture: 1.70~1.75 kg/L (20°C)	

Volatile organic compound (VOC) content	≤ 60 g/L

TECHNICAL INFORMATION

Tensile Adhesion Strength	≥ 2.0 MPa (failure in concrete)
Resistance to Alkalinity	Saturated $Ca(OH)_2$ for 48h, the paint film is intact, dose not blister or flake, and slight discoloration is permitted.

APPLICATION INFORMATION

Mixing ratio

Part A : Part B: Part C = 4.0 : 5.25 : 7.5 (by weight)

Consumption

Standard comsumption: 1.2~1.5 kg/m²
For the substrate with hig porosity, it is recommended to apply two scratch layer of Sikafloor® P 920 to ensure good sealing effect of the substrate and to avoid defects and imperfections of the topcoat. Two scratch layer as follow:

Layer	Comsumption
First scratch layer	0.8~1.0 kg/m²
Second scratch layer	0.4~0.5 kg/m²

Note:These figures are theoretical and do not allow for any additional material due to surface porosity, surface profile, variations in level and wastage etc.

Product Temperature

+10°C min. / +25°C max.

Ambient Air Temperature

+10°C min. / +30°C max.

Relative Air Humidity

80% r.h. max.

Dew Point

Beware of condensation!
The substrate and uncured floor must be at least 3°C above dew point to reduce the risk of condensation or blooming on the floor finish.

Substrate Temperature

+10°C min. / +30°C max.

Substrate Moisture Content

≤ 8% pbw moisture content.
Test method: Sika®-Tramex meter or CM - measurement.
No rising moisture according to ASTM (Polyethylene-sheet).

Pot Life

Temperatures	Time
+20°C	~ 15 minutes

Waiting Time / Overcoating

Before applying Sikafloor® BC 920 on Sikafloor® P 920 allow:

Substrate temperature	Minimum	Maximum
+20°C	~6 hours	~48 hours

SYSTEM INFORMATION

Systems

Primer of Sikafloor® XTC system

BASIS OF PRODUCT DATA

All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

IMPORTANT CONSIDERATION

- A small area test should be conducted before larges cale construction to determine the influence of the substrate and environment on the material to confirm the final effect of the product.
- Substrates will normally be concrete or polymer modified screeds, but some other types of substrates may be suitable, please consult your Sika sales representative or technician for details.
- If you are unsure of the surface type or quality of the substrate, please test some samples in small area first.
- Freshly applied Sikafloor® P 920 must be protected from moisture and water within 24 hours.

- This product should not be applied to vertical or suspended surfaces. For application to vertical surfaces, refer to other suitable products such as Sika® Ucrete® RG.
- Due to thermal shock, the use of steam cleaning may cause the floor to delaminate. For floors requiring steam cleaning, please use other suitable products such as Sika® Ucrete® UD 200.
- As the materials are produced in batches, it is not possible to ensure complete consistency of product color. If color consistency is required, the same batch of products needs to be used in one area.
- This product may change color under the use of light.The change in color has no significant effect on the other properties of the product and is purely a matter of aesthetics.

ECOLOGY, HEALTH AND SAFETY

APPLICATION INSTRUCTIONS

EQUIPMENT

Sikafloor® P 920 must be thoroughly mixed using a low speed electric stirrer (400 -600rpm) or other suitable equipment.

SUBSTRATE QUALITY / PRE-TREATMENT

- The base concrete must be of sufficient strength (compressive strength of at least 25 MPa and tensile strength of at least 1.5 MPa).
- The concrete surface must be treated by mechanical means such as sandblasting, shotblasting and grinding to thoroughly remove cement floats, oil contamination and loose concrete of insufficient strength and to expose holes, while obtaining substrate with good surface strength and roughness (longitudinally open textured surface).
- Holes and cracks in the concrete surface must be repaired and filled with suitable Sika specialised systems such as Sika® Ucrete®, Sikafloor®, Sikadur® and Sikagard® first, where dynamic cracks need to be filled with elastomeric material after evaluation.
- If the substrate is uneven, it needs to be levelled with Sika's special levelling mortar to obtain a more even and aesthetic appearance.
- All dust, particles and rubbish on the surface of the substrate must be cleaned up by vacuuming etc before application.
- Expansion joints - Expansion joints are provided at the intersection of different materials on the base. Separate zones according to thermal stresses, vibrations and surrounding load-bearing columns, see additional details.

MIXING

It is important to follow the operating guidelines closely!
Before mixing we should confirm the Temperature Requirements again:
- Substrate temperatures: 10°C – 30°C
- **Material temperatures: 10°C – 25°C**

Very low or very hot temperatures will make application more difficult and careful consideration should be given to storage of materials. In the cold weather conditions, precondition materials by keeping it in a heated room. In hot weather conditions, some form of airconditioned storage is required. Preconditioned materials at 18-25°C will reduce the possibilities of flash/slow setting and other defects

Mixing:
Sikafloor® P 920 is supplied in three parts; Part A, B, C. The typical mixing steps are as follows:
1. After opening the drum of component A, first use ascraper to scrape the crust on the wall of the drum into the drum, then use the dispersing head to disperse for 1 minute (the mixing head should not touch the wall of the drum, otherwise it will be easy to scrape
off the plastic), and then pour into a large drum (use a 20-30 mesh sieve for filtration, if necessary), and then use a high-speed drill with a suitable paddle (mixing-speed of the double-head high-speed machine > 600 rpm) to mix the material until it is homogeneous, making sure that the drill bit reaches the bottom and side of the tank. Make sure that the auger reaches the bottom and sides of the tank.
2. Pour component B into the vat and mix for approx. 1 minute using a slow speed mixer (300 - 400 rpm).
3. Pour component C into the vat and mix with a slow mixer (300 - 400 rpm) for approx. 2-3 minutes to form a homogeneous, completely mixed material. It is important to note that the same mixing time should always be maintained to ensure consistent color and to avoid introducing excess air.

APPLICATION

- Sikafloor® P 920 shall be applied to a cured scratch coat of Sikafloor® P 920 of 0.8mm nominal thickness at a consumption rate of 1.2 – 1.5 kg/m² .
- The scratch coat is applied to the prepared substrate using a steel trowel, pin rake trowel or squeegee. The scratch coat shall be allowed to dry completely to achieve a tack free surface before overcoating with topcoat.
- Before progressing further, ensure that substrate is fully sealed with scratch coat primer and if required apply another coat of scratch primer to ensure complete sealing of substrate.
- Sealed substrate is very important to ensure the performance of Sikalfoor XTC as a system Please take note of the overcoating times for scratch coat before applying the Bodycoat.

CLEANING OF TOOLS

Clean all tools and application equipment with Thinner C immediately after use. Hardened / cured material can only be mechanically removed.

LOCAL RESTRICTIONS

Please note that as a result of specific local regulations the declared data for this product may vary from country to country. Please consult the local Product Data Sheet for the exact product data.

LEGAL NOTES

The information, and, in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Sika's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product’s suitability for the intended application and purpose. Sika reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users can always refer to the most recent version of the local Product Data Sheet for the relevant product, available on our website. The information in any downloaded version is valid as of the time of download.

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